



```

name: <unnamed>
log: F:\fiscal_research\mayor\PSRM_data\PSRM_descstat2_log.smcl
log type: smcl
opened on: 19 Dec 2023, 10:05:58

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1 .
2 . ** Log file for Analysis: Table B.3, Figure 2, Figure 3, Figure A.2, Figure A.3 **
3 .
4 .
5 .
6 .
7 . * Table B.3
8 . tabstat fed_act_yr_city_2012_pc mayor_pres_party strong_mayor_pres_party mayor_pres_
> gover_party str_mayor_pres_gover_party pres_elec_yr tot_pop income_pc pov_rate, col(
> stat) stat(n min max mean sd)

```

variable	N	min	max	mean	sd
fed_act~2_pc	8328	-47.18482	2852.289	15.8597	51.69907
mayo~s_party	8620	0	1	.4451276	.4970087
strong_may~y	8620	0	1	.1726218	.3779419
mayo~r_party	8620	0	1	.2339907	.4233909
str_mayor~y	8620	0	1	.0961717	.2948437
pres_elec_yr	8620	0	1	.2529002	.4346995
_tot_pop	8328	38989	8560072	191162	456600.5
income_pc	8328	10544	93085	28070.69	9092.925
pov_rate	8022	.0090554	.3092537	.0766316	.0395542

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9 .
10.
11.
12.
13. gen city_name_st = city_name + " (" + stabbr + ")"
14.
15. * Figure 2
16. sort primary_place_of_performance_cit
17.
18. graph bar fed_act_city_mil if fed_act_city_mil>250 & !missing(fed_act_city_mil), ///
> over (city_name_st, label(labsize(vsmall) angle(65)) sort(fed_act_city_mil) descendi
> ng) ///
> legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
> ytitle("Grant ($ million)") bltitle("City")
19. graph export "${work}\desc stat\grant_city.png", as(png) replace
(file F:\fiscal_research\mayor\grant\desc stat\grant_city.png written in PNG format)
20.
21.
22. * Figure 3-(a)
23. graph bar fed_act_yr_city_pc if year==2019 & fed_act_yr_city_2012_pc>80 & !missing(f
> ed_act_yr_city_2012_pc), ///
> over (city_name_st, label(labsize(vsmall) angle(65)) sort(fed_act_yr_city_2012_pc) d
> escending) ///
> legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
> ytitle("Grant ($ Per Capita)") bltitle("City")

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24. graph export "${work}\desc stat\grant_city_pc_fy2020.png", as(png) replace
    (file F:\fiscal research\mayor\grant\desc stat\grant_city_pc_fy2020.png written in PNG
    > format)

25.
26.
27. * Figure 3-(b)
28. graph bar fed_act_yr_city_pc if year==2020 & fed_act_yr_city_2012_pc>80 & !missing(f
    > ed_act_yr_city_2012_pc), ///
    > over (city_name_st, label(labsize(vsmall) angle(65)) sort(fed_act_yr_city_2012_pc) d
    > escending) ///
    > legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
    > ytitle("Grant ($ Per Capita)") bltitle("City")

29. graph export "${work}\desc stat\grant_city_pc_fy2021.png", as(png) replace
    (file F:\fiscal research\mayor\grant\desc stat\grant_city_pc_fy2021.png written in PNG
    > format)

30.
31.
32. * Housing
33.
34. gen fed_act_house_yr_mil=fed_act_house_yr/1000000
    (116 missing values generated)

35.
36. gen fed_act_house_city_mil=fed_act_house_city/1000000
    (405 missing values generated)

37.
38. sort year city_name

39.
40. * Figure A.2-(a)
41. graph bar fed_act_house_city_mil if fed_act_house_city_mil>30 & !missing(fed_act_hou
    > se_city_mil), ///
    > over (city_name_st, label(labsize(vsmall) angle(65)) sort(fed_act_house_city_mil) de
    > scending) ///
    > legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
    > ytitle("Grant ($ million)") bltitle("City")

42. graph export "${work}\desc stat\grant_city_house.png", as(png) replace
    (file F:\fiscal research\mayor\grant\desc stat\grant_city_house.png written in PNG for
    > mat)

43.
44.
45. bysort geo_fips: egen sum_fed_act_house_yr_city_pc=total(fed_act_house_yr_city_pc) i
    > f !missing(fed_act_house_yr_city_pc)
    (404 missing values generated)

46.
47. * Figure A.2-(b)
48. graph bar sum_fed_act_house_yr_city_pc if sum_fed_act_house_yr_city_pc>100 & !missin
    > g(sum_fed_act_house_yr_city_pc), ///
    > over (city_name_st, label(labsize(vsmall) angle(65)) sort(sum_fed_act_house_yr_city_
    > pc) descending) ///
    > legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
    > ytitle("$") bltitle("City")

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49. graph export "${work}\desc stat\grant_city_house_pc.png", as(png) replace
   (file F:\fiscal_research\mayor\grant\desc stat\grant_city_house_pc.png written in PNG
   > format)

50.
51.
52. * Transportation
53. gen fed_act_transport_yr_mil=fed_act_transport_yr/1000000
   (116 missing values generated)

54.
55. gen fed_act_transport_city_mil=fed_act_transport_city/1000000
   (405 missing values generated)

56.
57. sort year city_name

58.
59. * Figure A.3-(a)
60. graph bar fed_act_transport_city_mil if fed_act_transport_city_mil>100 & !missing(fe
   > d_act_transport_city_mil), ///
   > over (city_name st, label(labsize(vsmall) angle(65)) sort(fed_act_transport_city_mil
   > ) descending) ///
   > legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
   > ytitle("Grant ($ million)") b1title("City")

61. graph export "${work}\desc stat\grant_city_transportation.png", as(png) replace
   (file F:\fiscal_research\mayor\grant\desc stat\grant_city_transportation.png written i
   > n PNG format)

62.
63.
64. bysort geo_fips: egen sum_fed_act_trans_yr_city_pc=total(fed_act_trans_yr_city_pc) i
   > f !missing(fed_act_trans_yr_city_pc)
   (404 missing values generated)

65.
66. * Figure A.3-(b)
67. graph bar sum_fed_act_trans_yr_city_pc if sum_fed_act_trans_yr_city_pc>400 & !missin
   > g(sum_fed_act_trans_yr_city_pc), ///
   > over (city_name st, label(labsize(vsmall) angle(65)) sort(sum_fed_act_trans_yr_city_
   > pc) descending) ///
   > legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
   > ytitle("$") b1title("City")

68. graph export "${work}\desc stat\grant_city_transportation_pc.png", as(png) replace
   (file F:\fiscal_research\mayor\grant\desc stat\grant_city_transportation_pc.png writte
   > n in PNG format)

69.
70.
71.
72. log close
   name: <unnamed>
   log: F:\fiscal_research\mayor\PSRM_data\PSRM_descstat2_log.smcl
   log type: smcl
   closed on: 19 Dec 2023, 10:06:06

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